

2010 Annual Drinking Water Quality Report

Town of Coffeerville

8/0002

Is my water safe?

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. The Town of Coffeerville vigilantly safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standard.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our source of water is three wells that draw from the Lower Wilcox Aquifer.

Source water assessment and its availability

Our source water assessment has been completed. For a copy of this report, please contact our office at 662.675.2642.

Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

We want our valued customers to be informed about their water utility. If you'd like to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month in the Town Hall at 6:00 p.m.

Monitoring and reporting of compliance data violations

We are required to monitor your drinking water for specific constituents on a monthly basis. During 2010 there were no compliance violations.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Town of Coffeeville is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

<u>Contaminants</u>	<u>MCLG or MRDLG</u>	<u>MCL, TT, or MRDL</u>	<u>Your Water</u>	<u>Range Low High</u>	<u>Sample Date</u>	<u>Violation</u>	<u>Typical Source</u>
Disinfectants & Disinfection By-Products							
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)							

Chlorine (as Cl ₂) (ppm)	4	4	0.30	0.04	0.49	2009	No	Water additive used to control microbes
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Microbiological Contaminants

Fecal coliform/E. coli (positive samples)	0	0	0	NA		2009	No	Human and animal fecal waste
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A violation occurs when a routine sample and a repeat sample, in any given month, are total coliform positive, and one is also fecal coliform or E. coli positive.

Total Coliform (positive samples/month)	0	0	0	NA		2009	No	Naturally present in the environment
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<u>Contaminants</u>	<u>MCLG</u>	<u>AL</u>	<u>Your Water</u>	<u>Sample Date</u>	<u># Samples Exceeding AL</u>	<u>Exceeds AL</u>	<u>Typical Source</u>
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Inorganic Contaminants

Copper - action level at consumer taps (ppm)	1.3	1.3	0.3	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
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Lead - action level at consumer taps (ppb)	0	15	3	2007	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Nitrate-Nitrite (AS N) ppm	0	10	0.25	2009	0	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; erosion from natural deposits
Arsenic (ppm)	.010		.0008	2010	0	No	Erosion of natural deposits; Runoff from orchards; Runoff from electronic production waste
Barium (ppm)	2		.0092	2010	0	No	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4		.112	2010	0	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
positive samples/month	positive samples/month: Number of samples taken monthly that were found to be positive
positive samples	positive samples/yr: The number of positive samples taken that year
NA	NA: not applicable
ND	ND: Not detected
Important Drinking Water Definitions	
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

For more information please contact:

Ronney Campbell
662.675.2642

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Contaminant	MCLG	MCL	Year	Sample	Exceeds	Remarks	
Chlorine (as Cl ₂) (ppm)	MRDLG	MRDL	Year	Sample	Exceeds	Remarks	
Chlorine (as Cl ₂) (ppm)	4	2	0.30	9.94	0.45	2009	No Water additive used in control network
Disinfection By-Products							
Trihalomethanes (THMs)							
Total Trihalomethanes (TTHM)	0	0	0	NA	2009	No Human and animal fecal waste	
Halacetic Acids (HAA5)	0	0	0	NA	2009	No Naturally present in the environment	
Chlorine Dioxide (ppm)							
Total Chlorine Dioxide (ppm)	0	0	0	NA	2009	No Naturally present in the environment	
Copper (ppm)							
Copper - action level at consumer taps (ppm)	1.3	1.3	0.3	2007	0	No Corrosion of household plumbing systems; Erosion of natural deposits	
Lead (ppm)							
Lead - action level at consumer taps (ppm)	0	15	3	2007	0	No Corrosion of household plumbing systems; Erosion of natural deposits	
Nitrate-Nitrite (as N) (ppm)							
Nitrate-Nitrite (as N) (ppm)	6	10	0.25	2006	0	No Runoff from fertilizer use; Leaching from septic tanks; Sewage, erosion from natural deposits	
Arsenic (ppm)							
Arsenic (ppm)	0.05	0.05	0.05	2010	0	No Friction of natural deposits; Runoff from earth; Runoff from electronic production waste	
Barium (ppm)							
Barium (ppm)	2	2	0.02	2010	0	No Discharge of drilling waste; Discharge from metal refineries; Discharge of natural deposits	
Fluoride (ppm)							
Fluoride (ppm)	4	110	2010	0	No Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories		

Contaminant	Remarks
Lead	Lead (ppm) per million, or milligrams per liter (mg/L)
Trihalomethanes (TTHM)	Trihalomethanes (ppm) per billion, or micrograms per liter (µg/L)
Halacetic Acids (HAA5)	Halacetic Acids (ppm) per billion, or micrograms per liter (µg/L)
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Halacetic Acids (HAA5)	Halacetic Acids (ppm) per billion, or micrograms per liter (µg/L)
Chlorine Dioxide (ppm)	Chlorine Dioxide (ppm) per billion, or micrograms per liter (µg/L)
Copper - action level at consumer taps (ppm)	Copper (ppm) per billion, or micrograms per liter (µg/L)
Lead - action level at consumer taps (ppm)	Lead (ppm) per billion, or micrograms per liter (µg/L)
Nitrate-Nitrite (as N) (ppm)	Nitrate-Nitrite (as N) (ppm) per billion, or micrograms per liter (µg/L)
Arsenic (ppm)	Arsenic (ppm) per billion, or micrograms per liter (µg/L)
Barium (ppm)	Barium (ppm) per billion, or micrograms per liter (µg/L)
Fluoride (ppm)	Fluoride (ppm) per billion, or micrograms per liter (µg/L)
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